

Title (en)  
SELF-LOCKING MECHANISM AND PANELING

Title (de)  
SELBSTBLOCKIERUNGSMECHANISMUS UND VERKLEIDUNG DAMIT

Title (fr)  
MÉCANISME AUTO-BLOQUANT ET PANNEAUTAGE

Publication  
**EP 3024998 A4 20170315 (EN)**

Application  
**EP 14829558 A 20140723**

Priority  
• US 201361857871 P 20130724  
• US 201461946351 P 20140228  
• CA 2014050697 W 20140723

Abstract (en)  
[origin: US2015027079A1] A self-locking paneling system is provided and includes: a panel defining a void therein and a pin positioned within the void; another structure configured to connect with the panel, the other structure comprising a receptacle; and a magnet positioned on at least one of the receptacle and the pin. When the panel and the other structure are positioned together, the pin is configured to move from a retracted position from within the void to an extended position to engage the receptacle using magnetic force produced by the magnet. The self-locking paneling system can be used for raised-flooring systems.

IPC 8 full level  
**E04F 15/00** (2006.01); **E04F 13/076** (2006.01); **E04F 13/08** (2006.01); **E04F 13/21** (2006.01); **E04F 13/30** (2006.01); **E04F 15/02** (2006.01); **E04F 15/024** (2006.01); **E04F 15/18** (2006.01); **E04F 19/06** (2006.01); **F16B 1/00** (2006.01); **F16B 5/00** (2006.01); **F16B 12/00** (2006.01)

CPC (source: EP US)  
**E04F 13/0889** (2013.01 - US); **E04F 13/0894** (2013.01 - EP US); **E04F 15/02005** (2013.01 - US); **E04F 15/02038** (2013.01 - EP US); **E04F 19/061** (2013.01 - EP US); **F16B 5/0084** (2013.01 - EP US); **E04F 2201/06** (2013.01 - EP US); **F16B 2200/83** (2023.08 - EP US); **Y10T 403/16** (2015.01 - EP US)

Citation (search report)  
• [XY] US 2011263177 A1 20111027 - LEMCHEN MARC [US]  
• [Y] WO 2008017281 A1 20080214 - SCHULTE GUIDO [DE]  
• [Y] US 4561232 A 19851231 - GLADDEN JR ROBERT S [US], et al  
• [Y] EP 2599934 A2 20130605 - VAELINGE INNOVATION BELGIUM BVBA [BE]  
• [Y] EP 2602494 A1 20130612 - BAL SEAL ENG CO INC [US]  
• See references of WO 2015010207A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2015027079 A1 20150129; US 9297169 B2 20160329;** CA 2919119 A1 20150129; CA 2919119 C 20191015; CN 105683459 A 20160615; CN 105683459 B 20180206; EP 3024998 A1 20160601; EP 3024998 A4 20170315; EP 3024998 B1 20180711; US 10047526 B2 20180814; US 2016160507 A1 20160609; WO 2015010207 A1 20150129

DOCDB simple family (application)  
**US 201414338958 A 20140723;** CA 2014050697 W 20140723; CA 2919119 A 20140723; CN 201480052709 A 20140723; EP 14829558 A 20140723; US 201615045901 A 20160217